

PROGRAMME GUIDE

CERTIFICATE COURSE IN DAIRY

FARMING

Course Designed By:

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Established in 1951

Chhotu Ram Arya College,
Sonipat
2018

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1. Course Description

Dairy farming is one such agricultural activity which is part of your eco-system. Milk is essential for life. Everyday morning / evening one can pour / supply milk to get payment for market place. The cow dung and urine also goes back to farming system. Animals also help in agricultural activity as well. When one looks at dairy farming in India, the success that million of farmers achieved under Operation Flood Programme (white revolution) and thereafter with strong milk and milk product brands like AMUL, Mother Dairy etc in the organised sector, this proves the facts that dairying still one of the most sought after business activity.

1.1 Eligibility: Minimum Qualification required to get into this program is 10+2

1.2 Prerequisite: Before joining the program a student must have moderate knowledge regarding rearing of dairy animals and little knowledge regarding dairy farm and its operation techniques.

1.3 Duration of the course: One-month training and 15 days' practice

1.4 Key highlights: After getting the certification a student will be able to establish his/her own dairy farm and also will be able to get managerial posts in different dairy farms across the country.

2. Course Objectives:

1. Imparting knowledge and technical proficiency in Dairy Farm Management

Practices, Animal Health management, Fodder Production and Clean Milk Production.

2. Development of the necessary human resource for dairy farming system on scientific lines and encouraging entrepreneurs among the youth for self-employment through Dairy Farming

3. Learning Outcomes

Establishment and effective management of a Dairy Farm.

4. Course Syllabus

Module-1: Introduction

Introduction to Dairy Farming, Different Breeds of cattle, General Anatomy

Module-2: House and Housing Management for Dairy Animals

Construction of Model Dairy House, Types of Housing, Different Managemental Parameters, Winter Management, Summer Management

Module-3: Feeds and Feeding strategies for Dairy Animals

Feedstuffs available for livestock, Roughages, Concentrates, Energy rich concentrates, Protein rich concentrates, Mineral Supplements, Vitamin Supplements, Feed additives, Feeding management, Calves Feeding, Feeding of adults, Feeding of pregnant dairy animals, Feeding pregnant heifer

Module-4: Health Management for Dairy Animals

Common Bacterial, Protozoal, Helminth and Viral Diseases, Parasitic Infestation, Vaccination, Biosecurity

5. Reference Books

1. The Veterinary Books for Dairy Farmers by Roger W. Blowey.

2. Hand Book of Dairy Farming by Board Eiri.

6 Session Plan

Session-1

Introduction to Dairy Farming

Introduction to Dairy Farming video

Session-2

Different Breeds of Dairy Animals

Different Breeds of Dairy Animals video

Session-3

Anatomy and Physiology of Dairy Animals

Session 3- Anatomy and Physiology of Dairy Animals ppt

Session-4

Practice-1: Dairy Farm Visit

Session-5

Site Selection for Housing of Dairy Animals

Session-5: ppt

Session-6

Factors to be considered while designing a livestock farm

Session-6: Dairy Farming ppt

Session-7

Designing the animal building for production and product control

Session-7: Dairy Farming ppt

Session-8

Preparation of Housing Plan

Session-8: Dairy Farming ppt

Session-9

Assessment-1

Session-10

Practice-2 Visit to a fodder field

Session-11

7 CONSTRUCTION DETAILS FOR A SHED

Session-11: Dairy Farming-ppt

Session-12

Housing of Animals

Session-12: Housing System-ppt

Session-13

Feed stuffs available for Dairy animals

Session 13-Feed stuffs available for Dairy animals' ppt

Session-14

Feeding Animals of Different Age

Session 14-Feeding Animals of Different Age ppt

Session-15

Health Management of Dairy Animals

Session 15-Health Management of Dairy Animals ppt



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